

Application No. 10/776,252  
Amendment dated July 23, 2007  
Reply to Office Action of March 22, 2007

Docket No.: 0941-0915P

**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A pump, comprising:
  - a housing having an intake and an output;
  - a conductor movably disposed in the housing;
  - at least one valve disposed between the housing and the conductor, wherein one end of the valve is connected to the conductor;
  - a first coil disposed in the housing and generating a magnetic force for attracting the conductor and the valve toward the output when electrified such that fluid therebetween flows out of the housing; and
  - a second coil disposed in the housing and generating a magnetic force for attracting the conductor and the valve toward the intake when electrified such that fluid therebetween flows between the conductor and the output.
2. (Original) The pump as claimed in claim 1, wherein the fluid taken into the housing is stored between the intake and the conductor when the first coil is electrified.
3. (Currently Amended) The pump as claimed in claim 1, further comprising a first base and a second base both disposed in the housing, wherein the first coil is wound around the first base and the second coil is wound around the second base.
4. (Currently Amended) The pump as claimed in claim 3, wherein the first and second bases ~~are electrically insulated~~ comprise insulating materials.

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5. (Currently Amended) The pump as claimed in claim 3, ~~further comprising~~ wherein the valve has an entrance valve and a ~~an~~ exit valve, the entrance valve is disposed between the intake and conductor, and the exit valve is disposed between the conductor and the output, wherein the entrance valve opens and the exit valve closes when the first coil is electrified, and the entrance valve closes and the exit valve opens when the second coil is electrified.

6. (Original) The pump as claimed in claim 5, wherein the entrance valve and the exit valve are both one-way valves.

7. (Currently Amended) The pump as claimed in claim 6, wherein ~~each one-way the entrance valve or the exit valve comprises~~ have at least an elastic member, a ball and a barricade connected to the elastic member and the ball disposed therebetween, and the ball is disposed between the elastic member and the barricade.

8. (Currently Amended) The pump as claimed in claim 7, wherein an end of the elastic member connects to the conductor, and another end of the elastic member is disposed ~~between~~ near the first and second bases.

9. (Currently Amended) The pump as claimed in claim 8, wherein the elastic member ~~comprises~~ has a corrugated portion near where the first base is connecting connected to the second base.

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10. (Original) The pump as claimed in claim 7, wherein the elastic member connects to the second base.

11. (Currently Amended)) The pump as claimed in claim 7, wherein the elastic member ~~comprises~~ is rubber.

12. (Currently Amended) The pump as claimed in claim 7, wherein the barricade ~~comprises~~ is an aluminum plate with openings.

13. (Currently Amended) The pump as claimed in claim 1, wherein the housing ~~comprises~~ permeable is composed of permeance material.

14. (Original) The pump as claimed in claim 1, further comprising a conducting plate disposed in the housing.

15. (Original) The pump as claimed in claim 3, further comprising a conducting plate disposed between the first and second bases.

16. (Original) The pump as claimed in claim 1, further comprising an exit valve disposed at the output of the housing limiting fluid flow to one direction.

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17. (Currently Amended) The pump as claimed in claim 16, wherein the exit valve ~~comprises~~ has at least an elastic member, a ball and a barricade connected to the elastic member ~~and the ball disposed therebetween, and an end of the elastic member connects to the conductor~~ and another end to the housing, and the ball is disposed between the barricade and the elastic member.

18. (Currently Amended) The pump as claimed in claim 17, wherein the elastic member ~~comprises~~ has a corrugated portion ~~near where the elastic member connects to the housing~~ disposed on the elastic member.

19. (Currently Amended) The pump as claimed in claim 17, wherein the elastic member ~~comprises~~ is rubber.

20. (Currently Amended) The pump as claimed in claim 17, wherein the barricade ~~comprises~~ is an aluminum plate with openings.

21. (Original) The pump as claimed in claim 1, further comprising an entrance valve disposed at the intake limiting fluid flow to one direction.

22. (Original) The pump as claimed in claim 21, wherein the entrance valve ~~comprises~~ has an elastic member, a ball and a barricade ~~connected to the elastic member and the ball~~

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~~disposed therebetween, and the elastic member connects to the housing, and the ball is disposed~~  
between the barricade and the elastic member.

23. (Currently Amended) The pump as claimed in claim 22, wherein the elastic member  
~~comprises is~~ rubber.

24. (Currently Amended) The pump as claimed in claim 22, wherein the barricade  
~~comprises is~~ an aluminum plate with openings.